

<p>98-052938/06 E17 J04      CHINA PETRO CHEM CORP      95.06.14 95CN-106348 (96.12.18) C07C 29/00, B01J 23/06, 23/26,      23/34</p>	<p>CHPE- 95.06.14      *CN 1138018-A      E(10-E4B) J(4-E4B) N(2-D1, 3-B2, 3-D1, 3-E)</p>
<p><b>Catalyst for preparation of specified butanediol by gas-phase hydrogenation</b>  <b>C98-018279</b>      Addnl. Data: WANG H, TONG L, ZHANG X</p> <p>A catalyst for preparing 1,4-butanediol by gas-phase hydrogenating maleic anhydride and/or its ester has the formula of <math>CuCr_aMn_bZn_cO_x</math>, where <math>a=0.8-1.5</math>, <math>b=0.05-0.8</math>, <math>c=0.05-1</math> and <math>x</math> is the number of oxygen atoms needed for satisfying the atom valences of metals. When the volume space speed of the gas is up to 70/hr, the transform rate of anhydride and/or its ester is up to 99 % or more and the selectivity of 1,4-butanediol is up to 80 mol % or more.      (9ppDwgNo.0/0)</p>	<p><b>CN 1138018-A</b></p>